

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/004227

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C12M B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/022362 A1 (KIRK GREGORY ET AL) 30 January 2003 (2003-01-30) page 7, paragraph 64 page 8, paragraphs 66,67 page 10, paragraph 81 - page 11, paragraph 88; figure 11	1-56
X	WO 89/01162 A (BIOTECHNOLOGY AUSTRALIA PTY. LTD) 9 February 1989 (1989-02-09) page 5, lines 6,7 claims 1-6,38-46	1-56
X	EP 0 259 116 A (UNILEVER PLC; UNILEVER N.V; UNILEVER NV) 9 March 1988 (1988-03-09) page 3, lines 51-55; claims 7-13; figures 3-11	1-56
	----- -/-- -----	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the International filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

19 August 2005

Date of mailing of the International search report

31/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Gruber, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/004227

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 90/13033 A (BIOCONTROL SYSTEMS, INCORPORATED) 1 November 1990 (1990-11-01) claims 1-10,17-20; figure 1	1-56
A	DE 198 41 125 A1 (INSTITUT FUER OBERFLAECHEMODIFIZIERUNG E.V) 16 March 2000 (2000-03-16) column 5, line 7 - column 6, line 52; claims	
A	US 2003/109040 A1 (KAS JOSEF ET AL) 12 June 2003 (2003-06-12) page 2, paragraphs 24,25; claims.47,49	
A	EP 0 214 340 A (BIOCONTROL SYSTEMS, INC) 18 March 1987 (1987-03-18) the whole document	
A	US 2002/072116 A1 (BHATIA SANGEETA N ET AL) 13 June 2002 (2002-06-13) claims 1,8,14,21	
A	WO 03/102578 A (PAMGENE B.V; VAN DAMME, HENDRIK, SIBOLT; BLOK, HERMAN, JACOBUS; HILHOR) 11 December 2003 (2003-12-11) claims 1-7,14	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/004227

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003022362 A1	30-01-2003	US 6699665 B1	02-03-2004
		AU 2003213834 A1	29-09-2003
		WO 03078565 A1	25-09-2003
		US 2003017582 A1	23-01-2003
		US 2004002131 A1	01-01-2004
		US 2004142408 A1	22-07-2004
		US 2004142411 A1	22-07-2004
		WO 03012726 A1	13-02-2003
		US 2003021457 A1	30-01-2003
		US 2003022153 A1	30-01-2003
		US 2003022197 A1	30-01-2003
		US 2003022269 A1	30-01-2003
		US 2002168757 A1	14-11-2002
		US 2003036188 A1	20-02-2003
		US 2003040087 A1	27-02-2003
		US 2003040031 A1	27-02-2003
		US 2003030184 A1	13-02-2003
		US 2003040033 A1	27-02-2003
		US 2003032048 A1	13-02-2003
		WO 03062920 A2	31-07-2003
		AU 4339702 A	24-06-2002
		CA 2429056 A1	20-06-2002
		EP 1339838 A2	03-09-2003
		JP 2004515776 T	27-05-2004
		WO 0248676 A2	20-06-2002
		US 2003032046 A1	13-02-2003
		US 2003073228 A1	17-04-2003
		US 2005100974 A1	12-05-2005
		US 2003032076 A1	13-02-2003
		US 2003068637 A1	10-04-2003
WO 8901162 A	09-02-1989	AT 127924 T	15-09-1995
		AU 610925 B2	30-05-1991
		AU 2127888 A	01-03-1989
		WO 8901162 A1	09-02-1989
		DE 3854471 D1	19-10-1995
		DE 3854471 T2	02-05-1996
		EP 0330688 A1	06-09-1989
		JP 2779509 B2	23-07-1998
		JP 2500219 T	25-01-1990
		US 6004766 A	21-12-1999
EP 0259116 A	09-03-1988	AT 84567 T	15-01-1993
		AU 614936 B2	19-09-1991
		AU 7769887 A	03-03-1988
		CA 1290273 C	08-10-1991
		CN 87106707 A	11-05-1988
		DE 3783540 D1	25-02-1993
		DE 3783540 T2	22-07-1993
		EP 0259116 A2	09-03-1988
		ES 2053550 T3	01-08-1994
		US 5403741 A	04-04-1995
		JP 63112975 A	18-05-1988
WO 9013033 A	01-11-1990	AU 5525490 A	16-11-1990
		WO 9013033 A1	01-11-1990
DE 19841125 A1	16-03-2000	NONE	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/004227

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003109040	A1	12-06-2003	EP 1455670 A2 WO 03042723 A2	15-09-2004 22-05-2003
EP 0214340	A	18-03-1987	US 4920063 A AT 73857 T CA 1271707 A1 DE 3585689 D1 EP 0214340 A2 JP 1880538 C JP 6002076 B JP 62061598 A US 5132229 A	24-04-1990 15-04-1992 17-07-1990 23-04-1992 18-03-1987 21-10-1994 12-01-1994 18-03-1987 21-07-1992
US 2002072116	A1	13-06-2002	US 2004171143 A1	02-09-2004
WO 03102578	A	11-12-2003	AU 2003242613 A1 CA 2487929 A1 WO 03102578 A2 EP 1527339 A2	19-12-2003 11-12-2003 11-12-2003 04-05-2005